

PROCEEDINGS OF THE FIFTY-NINTH ANNUAL MEETING

JAMES TATE, JR., Secretary

CURTIS S. ADKISSON, Secretary-elect

At the invitation of the Brooks Bird Club, the West Virginia University and the West Virginia University Department of Wildlife Biology, the Fifty-ninth annual meeting of the Wilson Ornithological Society was held at the State 4-H Camp at Jackson's Mill, West Virginia, from 4-7 May 1978. Paper sessions and business meetings were held in the Assembly Hall and the Kanawha Room. The Executive Council met in the Walnut Room of the Jackson Lodge.

An open house and reception was held in the West Virginia Building on Thursday evening. A program on African birds was presented later the same evening by Larry Schwab. Appalachian and other nature art was exhibited by Robert L. Smith in the lounge of the Jackson Lodge.

Early morning bird walks were held on Friday and Saturday. Longer trips were taken to the Cheat-Gaudineer Region and Holly River State Park on Sunday. A spouses' tour hosted by Charles and Helen Conrad was taken to a nearby glass factory. George Breiding led a botanical walk on Saturday. Many participants spent spare moments at the historical museum on the Mill grounds.

On Friday night a barbecue was held at the outdoor picnic area, followed by a square dance in the West Virginia Building. Music was provided by the Wild Turkey String Band. The annual banquet was held Saturday night at the Mt. Vernon Dining Hall. A presidential address by Douglas A. James (see *Wilson Bull.* 90:306-308), and a talk by Maurice Brooks (see *Wilson Bull.* 90:464-467), past president of the Society, highlighted the evening.

FIRST BUSINESS MEETING

The first business meeting was called to order by President James at 0917 in the Assembly Hall. The Society was welcomed by Dale W. Zinn, Dean of the College of Agriculture and Forestry, West Virginia University.

The Proceedings of the meeting held at Mississippi State University were approved by the membership as published in *The Wilson Bulletin* (89:506-519, 1977). President James announced that Jon C. Barlow, Mary H. Clench, and Roland R. Roth would serve as the Alexander Wilson Prize committee. The nominating committee was announced as Jerome A. Jackson, chairman, Andrew J. Berger, and James R. Karr. The auditing committee was announced as James F. Ponslain and George M. Wickstrom. The standing resolutions committee was announced as Robert D. Burns, Sally Hoyt Spofford, and Sidney A. Gauthreaux.

Reports of officers and committees follow.

THE WILSON ORNITHOLOGICAL SOCIETY

REPORT OF THE TREASURER

Year Ending December 31, 1977

GENERAL FUNDS

Balance as of last report December 31, 1976 \$21,443.25

RECEIPTS

Membership Dues		
Active for 1977	\$ 3,902.00	
Active for 1978	12,600.00	
Total Active		\$16,502.00
Sustaining for 1977	285.00	
Sustaining for 1978	855.00	
Total Sustaining		1,140.00
Subscriptions to <i>The Wilson Bulletin</i>		
For 1977	1,705.00	
For 1978	6,410.00	
Total Subscriptions		8,115.00
Advance Renewals		1,425.00
Sales of Back Issues of <i>The Wilson Bulletin</i>		1,584.75
Interest and Dividends on Savings & Investments		
Income from General Endowment Fund	5,933.83	
Income from G. M. Sutton Colorplate Fund	1,805.47	
Interest on Endowment Savings Account	537.23	
Interest on Regular Savings Account	61.03	
Total Interest and Dividends		8,337.56
Royalties from Microfilming Back Issues of <i>The Wilson Bulletin</i>		192.99
Contributions from Authors and Others		4,261.80
Total Receipts		<u>\$41,559.10</u>

DISBURSEMENTS

<i>The Wilson Bulletin</i> (Printing & Engraving)	\$33,032.98
<i>The Wilson Bulletin</i> (Mailing & Maintenance)	4,203.09
Colorplate Processing Expense	2,662.04
Editor's Expense	1,740.00
Secretary's Expense	338.28
Treasurer's Expense	2,051.25
Committee Expense	2,097.91
President's Expense	13.00
International Council for Bird Protection	30.00
Miscellaneous Expense	41.62
Total Disbursements	<u>\$46,210.17</u>
Excess of Disbursements over Receipts	\$ 4,651.07

GENERAL CASH FUND

Checking Account	
Balance in Old Kent Bank and Trust Co.,	
Grand Rapids, Michigan, December 31, 1977	\$18,463.65

JOSSELYN VAN TYNE MEMORIAL LIBRARY FUND

Balance as of Last Report December 31, 1976	\$ 408.21
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RECEIPTS

Sale of Duplicates and Gifts	\$ 1,018.77
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DISBURSEMENTS

Purchase of Books	\$ 896.40
Balance in Old Kent Bank and Trust Co.,	
Grand Rapids, Michigan, December 31, 1977	\$ 530.58

LOUIS AGASSIZ FUERTES RESEARCH FUND

MARGARET MORSE NICE FUND

EDWARDS AND W.O.S. PAPER FUNDS

Balance as of Last Report December 31, 1976	\$ 2,047.00
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RECEIPTS

Contributions	\$ 699.50
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DISBURSEMENTS

Grant-In Aid	
To David R. Maurer	\$100.00
To Ernest Stevens	200.00
To Dale Lewis	200.00
To David Hendricks	200.00
To Glen Fox	200.00
To Douglas Mock	100.00
Total	\$ 1,000.00

Balance in Old Kent Bank and Trust Co.,	
Grand Rapids, Michigan, December 31, 1977	\$ 1,746.50

AARON BAGG

STUDENT MEMBERSHIP AWARD FUND

Balance as of Last Report December 31, 1976	\$ 424.00
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RECEIPTS

Contributions	\$ 220.00
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DISBURSEMENTS

Student Membership Grants	\$ 310.00
Balance in Old Kent Bank and Trust Co.,	
Grand Rapids, Michigan, December 31, 1977	\$ 334.00

ENDOWMENT FUNDS

GENERAL ENDOWMENT FUND

Balance in Endowment Savings Account, Old Kent Bank and Trust Co., Grand Rapids, Michigan, as of Last Report December 31, 1976	\$ 9,540.00
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RECEIPTS

Life Membership Payments	\$ 17,860.00
Balance in Endowment Savings Account, Old Kent Bank and Trust Co., Grand Rapids, Michigan, December 31, 1977	\$ 27,400.00
Investment Held as of December 31, 1976	
United States Government Bonds	\$ 5,084.38
International Bank Bonds	9,495.00
Canadian Provincial Bonds	4,056.25
Corporate Bonds	18,610.00
Convertible Corporate Bonds	2,000.00
Convertible Preferred Stocks	7,997.50
Common Stocks	55,253.13
Uninvested Principal	2,908.76
Total Investments	\$105,405.02
Total General Endowment Fund December 31, 1977	\$132,805.02

GEORGE MIKSCH SUTTON COLORPLATE FUND

Investments Held as of December 31, 1977	
International Bank Bonds	\$ 1,055.00
Canadian Provincial Bonds	4,412.50
Corporate Bonds	9,562.50
Common Stocks	8,900.00
Total Investments	\$ 23,930.00
Total Combined Wilson Ornithological Society Endowment Funds December 31, 1977	\$156,735.02

Ernest E. Hoover, *Treasurer*

REPORT OF THE EDITOR—1977

From 1 January through 31 December 1977, 199 new manuscripts were received; 78 new manuscripts were received from 1 January through 2 May 1978. These are in addition to many revisions received during this time. The status of these manuscripts is as follows:

Status	Manuscripts received in	
	1977	1978
Published	3	0
In press	23	0
Rejected	69	9
Out to referees	1	29
Back for revision	39	17
Accepted	61	5

Decision file	1	1
Withdrawn	2	0
Forwarded to Jon Barlow	0	17

On an issue-by-issue basis, the following is the status of volumes 90 and 91:

Volume 90

- No. 1, March: 158 pp., 8 papers, 10 notes, 12 reviews. Published 19 April 1978.
 No. 2, June: pp. unknown; 12 papers, 12 notes, 7 reviews, President's page, Conservation Committee Report on management practices on National Wildlife Refuges. At the printer and on schedule for a June publication date.
 No. 3, September: pp. unknown; 9 papers, 15 notes; most copy is ready for the printer but we have no lead article with a color plate.
 No. 4, December: pp. unknown, 9 papers, 15 notes.

Volume 91

- No. 1, March: pp. unknown, 9 papers, 15 notes.
 No. 2, June: pp. unknown, 6 notes.

Rejection rate of 156 manuscripts received during 1977 and processed to some definite outcome was 44.2%. The rejection rate similarly calculated for manuscripts received thus far in 1978 has been 64.3%. Since these calculations do not include manuscripts which have been returned for revision, and since the majority of those will eventually be accepted, I also calculated a rejection rate using the assumption that all manuscripts returned for revision would eventually be accepted—this rate is 35.4% for 1977.

With approximately 200 manuscripts submitted each year (199 in 1977), approximately 100 manuscripts published each year (99 in 1977), and a rejection rate of approximately 35%, we are in trouble. This means that we will have an increase in backlog of about 30 manuscripts per year. In order to prevent an undesirable backlog we must publish more papers, reject more papers, or decrease the length of those published. I have been trying to fight the backlog problem from all three approaches. Many authors, particularly those with brief notes or those who are federal employees, have elected to pay page charges and have thus enabled us to include more articles per issue. I have tried to eliminate unnecessary verbosity, tables, and figures from manuscripts and I encourage you, when you are acting as referees, to indicate places where you feel a manuscript can be pruned. I have also attempted to be more selective in the manuscripts to be accepted, but it is difficult to reject a manuscript if referees don't do their part by recommending rejection when rejection is warranted. Often a marginal manuscript would be much more appropriate for another journal; in such cases referees would do the Society and the author a favor by making such a suggestion instead of recommending publication in *The Wilson Bulletin* after major revision.

The March 1978 issue has a series of photographs of Florida Scrub Jay young. June 1978 will feature a painting of *Piculus* heads by G. M. Sutton to accompany an article on *Piculus* variation by Luis Baptista. I have a possible plate of a new species (painted by John O'Neil) semi-promised for September—but nothing in hand. I have no leads for a color plate for December. Color plates continue to cause problems—mostly because of a lack of them. The March 1978 issue was late because I had difficulty in getting a color plate. The plate for the June issue is already at Allen Press, but in that case I have not yet received properly revised black-and-white illustrations for the lead article—hence I have not yet been able to page up the issue. Please be vigilant for appropriate color plates and accompanying articles.

Time from receipt to acceptance of papers published in volume 89 (including time needed for revision by the author) was 98.5 days for notes and 151.1 days for major papers. Time from receipt to rejection of manuscripts averaged 93.5 days. Turn-around time for both notes and papers is presently about 12–14 months from the date of acceptance to date of publication.

Last year, in an attempt to cut postage costs, I began mailing manuscripts to referees at a special 4th class rate—this worked great for about 6 months and probably saved the society \$100–\$150. In the past few months, however, I have been having considerable difficulty with the postal service and at least 2 manuscripts and possibly a third have been lost. Fortunately all were copies and no original figures were lost. Also, the initial mailing time for such manuscripts was usually in the range of 1–2 weeks. By the end of last year the mailing time was frequently 4–6 weeks; thus, I have abandoned the 4th class rate. As a result of our using 1st class for processing of manuscripts, the processing time should go down again but postage expenses will be high.

I have enjoyed my tenure as editor of *The Wilson Bulletin* and I appreciate the support you have given me. The job I have done, however, has involved the generous help of many. Ken Blair, Arly Allen, and Guy Dresser of Allen Press have certainly eased the burden and made my role in getting the journal out on time a lot easier. We are very fortunate to have the close association we have with Allen Press. A number of students have served as editorial assistants to me in the past four years. I have tried to expose them to all of the aspects of editing a journal—from refereeing to marking copy to proofreading—and we have all benefitted from their efforts. I feel confident that the ornithological community will find a fine editor from among them in the future. A number of individuals have helped with indexing—and I know of no more frustrating and tedious job that is appreciated so little. A good index makes a journal much more useful, and I feel that our indices in the past few years have been exceptionally thorough. Finally, the everyday work of handling manuscripts and corresponding with authors could not have been accomplished as quickly or as efficiently without the outstanding assistance of Lyda Eubanks and Vickie Bennett, our departmental secretaries.

There is one group that I haven't acknowledged enough in the past 4 years. We can't have a good journal without good referees. I am very much indebted to the 339 referees who have served the society during my tenure as editor.

Jerome A. Jackson, *Editor*

REPORT OF THE MEMBERSHIP COMMITTEE—1977

Chairman Abbot S. Gaunt submitted a report to the Executive Committee concerning progress in arranging a combined ornithological membership mailing and billing list potentially involving the Wilson Ornithological Society, Cooper Ornithological Society and American Ornithologists' Union. Dr. Gaunt also gave an informal verbal report on the current membership status of the Wilson Ornithological Society including the observation that the Society showed a net gain of about 30 members in 1977 compared to 1976.

REPORT OF THE STUDENT MEMBERSHIP COMMITTEE—1977

Letters requesting membership nominations of students interested in ornithology and inviting application from exceptional students to be considered for Aaron M. Bagg Student Membership Awards were sent to over 200 college and university faculties throughout North America. This activity resulted in 40 applications for the Bagg Award; 18 were selected as award recipients. Award recipients were announced in *The Wilson*

Bulletin (90(1):157). An additional 48 individuals were nominated for membership in the society. These nominees received a letter from the Student Membership Committee and also a letter from a group of graduate student members. The latter was designed to present the advantages of membership from the perspective of active student members. An analysis of membership trends, including study of the student nomination and awards program has been initiated by an ad hoc committee on Recruitment and Evaluation of Student Membership.

James R. Karr, *Chairman*
 Roland R. Roth
 Stephen M. Russell
 Elliot J. Tramer

INTERIM REPORT OF THE CONSERVATION COMMITTEE—1977

The 1978-79 Conservation Committee consists of Milton Weller, Marcia M. Wilson (student), Brian R. Chapman, Laurence R. Jahn, Chandler S. Robbins, and Eric G. Bolen. The committee has taken the following actions to date:

1. Solicited materials from the WOS membership concerning difficulties in obtaining collecting permits. An announcement requesting such information was given to the Editor of *The Wilson Bulletin* for publication as soon as possible. Additional materials concerning permit problems have been obtained from Charles Sibley, Richard Banks, and Douglas James. An appropriate letter, with supporting documents, will be sent to Congressman Leggett in the near future.

2. A resolution endorsing the pending legislation on nongame birds was formulated and sent to the Resolutions Committee for action. The resolution supports the bill (H. R. 10915) using an excise tax on bird seed, feeders and houses, spotting scopes, etc. as a funding base; it is anticipated that 20-30 million dollars annually will result for nongame research and management activities with the passage of this bill.

3. The Committee's main thrust will deal with nongame matters. We initially considered sending representative states a questionnaire concerning their nongame program, exclusive of funding, in order to assess the current status of nongame activities. However, we learned that at least 2 other agencies had prepared and distributed similar questionnaires and that the subsequent response was poor enough to preclude our own intentions. Accordingly, we will now focus on the model program of the Missouri Department of Conservation, the previously collected information on nongame funding compiled by the Wildlife Management Institute, and other materials for the preparation of our final report, including recommendations. The acquisition and implementation of nongame programs on mitigating lands under the Wildlife Coordination Act will be part of our interest. A final report is anticipated by midsummer.

Eric G. Bolen, *Chairman*

REPORT OF THE LIBRARY COMMITTEE—1977

The Josselyn Van Tyne Memorial Library has, for the most part, carried on "business as usual" during 1977. Janet Hinshaw keeps our current activities in order, and finds time to catch up more and more of the loose ends that remain. These involve such long-standing problems as storage of duplicates and of "Bulletin" back issues, and questions about old subscriptions and exchanges. Perhaps it has not been sufficiently

stressed that our headquarters, here at the Bird Division of the University of Michigan Museum of Zoology, handles not only the Library collections as such but also much of the special business of the "Bulletin" itself, such as orders for back issues and complete sets.

Exchanges in 1977 totaled 111—we received 139 journals, newsletters and reprints. Thirty-eight gifts and complimentary subscriptions brought the total of items received to 177.

New Book Fund transactions included the purchase of 43 new books, journals and records for the Library. From the sale of duplicate books, \$200 was taken in.

The year's total of loans to members came to 85, involving 265 books, journals, photocopies, reprints and translations.

Donations added 1360 items to our holdings: 138 books, 204 periodical issues, 64 reports and pamphlets, 1 thesis and 953 reprints. Many of these will, as always, be sold as duplicates and converted into cash for the New Book Fund. The 33 donors were: R. M. Bailey, A. J. Berger (889 items, including 821 reprints), C. R. Brown, R. Butsch, Carnegie Museum of Natural History, M. L. Chamberlin, J. Cheek, J. Cooper, Dr. & Mrs. W. P. Cottrille, J. J. Dinsmore, C. P. Dau, J. A. Feduccia, N. N. Harrington (for Canadian Arctic Gas Study, Ltd.), F. Haverschmidt, M. J. Jaeger, D. W. Johnston, L. H. Kelso, W. A. Lunk, H. Mayfield, T. R. Miley, J. Miller (for Cooper Ornithological Society), D. H. Morse, W. M. Pulich, J. Schwartzkopff, W. E. Southern, P. R. Stettenheim, R. W. Storer, C. E. Tull (for Renewable Resources Consulting Service), J. A. Walker Estate (152 items, including 120 books), G. J. Wallace, L. L. Wolf, Col. L. R. Wolfe, and R. Wood (for Loon Preservation Committee).

We thank the membership for its support, and we urge that it continue—for the long-lasting benefit of everyone concerned.

William A. Lunk, *Chairman*

SECOND BUSINESS MEETING

President James called the meeting to order at 14:50 on 6 May 1978. New members were elected into the society by acclamation. The report of the Nominating Committee was read as follows by Jerome A. Jackson: President, Douglas A. James; First Vice-president, George A. Hall; Second Vice-president, Abbot S. Gaunt; Secretary, Curtis S. Adkisson; Treasurer, Ernest E. Hoover; election to Council, James R. Karr (term expires in 1979), Clait E. Braun (term expires in 1980), Sidney A. Gauthreaux (term expires in 1981); Editor, Jon C. Barlow. President James then called for nominations from the floor: there being none, a motion was made, seconded, and approved by voice vote to close nominations. James asked for and received a motion to approve the slate by acclamation, which was approved. The secretary then summarized actions of the Council at its second meeting. The 1979 meeting will be held in Omaha, at the invitation of the University of Nebraska-Omaha, from 5-8 April, 1979.

James R. Karr summarized the recommendations to Council of a special "Bite the bullet committee" on the society's financial situation. The recommendations on membership dues and page charges for publications in *The Wilson Bulletin* were approved by the membership present, and were published in *The Wilson Bulletin* (90:463, 1978). President James asked for the following Auditor's Report which was read and accepted.

AUDITOR'S REPORT

We have examined the treasurer's records, bank statements, cancelled checks, account books and other financial records of the Society covering transactions occurring during

the past fiscal year. The financial status of the Society is substantially as set forth in the treasurer's report dated December 31, 1977.

Our examination has ascertained that all income has been applied to the proper funds and no expenditures have been made except as authorized.

James F. Ponshair, *Member*
George M. Wickstrom, *Member*

The final item at the second business meeting was the report of the Standing Committee on Resolutions, read by chairman Robert D. Burns. The resolutions which follow were adopted by the membership. President James had received word that a resolution concerning Bachman's Warbler and I'On Swamp would be sent to the Resolutions Committee for consideration. No request was received so that it was the consensus of the Committee to drop the matter. Had such a proposal been submitted from the floor, it was decided that the Committee would not endorse it.

WHEREAS, The Wilson Ornithological Society recognizes those natural resources collectively identified as "nongame" as a major component of our nation's fauna, and

WHEREAS, the need for detailed research and affirmative management of nongame resources is of paramount concern, and

WHEREAS, pending federal legislation proposing an excise tax on certain outdoor equipment, bird seed, and related materials may incur revenues of \$20 to \$30 million annually expressly for research and management of nongame species,

THEREFORE, BE IT RESOLVED that The Wilson Ornithological Society heartily endorses and supports passage of HR 10915, legislation of great importance for the enhancement of nongame resources in the United States.

WHEREAS, in 1977 The Wilson Ornithological Society resolved to oppose construction of all water projects that are detrimental to the environment, and

WHEREAS, the proposed Davis Power Project would flood one-third of the Canaan Valley, 7000 acres, plus 500 acres of Cabin Mountain, and

WHEREAS, it contains unique boreal features as well as substantial populations of deer, beaver, black bear, wild turkey, woodcock, grouse and is a major waterfowl habitat for many species of ducks and fish,

THEREFORE, BE IT RESOLVED that the Wilson Ornithological Society opposes the proposed Davis Power Project, and supports the proposed establishment of a Canaan Valley National Wildlife Refuge, and

BE IT FURTHER RESOLVED that the Society commends Governor John D. Rockefeller, IV and the West Virginia Department of Natural Resources for their support of the proposed Canaan Valley National Wildlife Refuge.

WHEREAS, Jerome A. Jackson has served with distinction as editor of *The Wilson Bulletin* from 1974 to 1978, and

WHEREAS, his infectious enthusiasm and energy have continued to improve *The Wilson Bulletin* as a fine and distinguished journal of ornithology, and

WHEREAS, the increased number of submitted papers and increased size of the Journal were handled in addition to his heavy research and teaching duties at Mississippi State University,

THEREFORE, BE IT RESOLVED that The Wilson Ornithological Society extends special thanks and appreciation for his devoted and loyal service.

WHEREAS, James Tate, Jr. has faithfully served The Wilson Ornithological Society as its Secretary since 1971, and

WHEREAS, he has diligently attended to the multitude of details which go with the responsibilities of secretary including the usual correspondence plus arranging for annual meetings, business meetings, publishing the proceedings and minutes of such meetings and keeping excellent records of the activities of the Society,

THEREFORE, BE IT RESOLVED that The Wilson Ornithological Society extends its very sincere appreciation and thanks to James Tate for his outstanding service.

WHEREAS, The Wilson Ornithological Society has returned to the State 4-H Camp at Jackson's Mill, West Virginia, for its Fifty-ninth Annual Meeting on May 4 through 7, 1978, and

WHEREAS, the scientific program and the setting at Jackson's Mill have both been superb, and the membership and friends have enjoyed and learned much because of the extraordinary efforts of the Committee on Arrangements, the Scientific Program Committee and the Staff of Jackson's Mill 4-H Camp,

THEREFORE, BE IT RESOLVED that The Wilson Ornithological Society expresses its appreciation and thanks to the Committee on Arrangements, the Scientific Program Committee and the Camp Staff for their long and labored efforts behind the scenes which have made the Fifty-ninth Annual Meeting a superb performance.

The meeting adjourned at 15:05.

At the annual banquet the following awards and prizes were announced:

Louis Agassiz Fuertes Award

Alexis A. E. MacLean, "Kleptoparasitism as an alternative foraging strategy in immature gulls"

Margaret Morse Nice Award

David Raimist, "Vocalization patterns of endangered Palauan avifauna"

Edwards Prize

Richard Brewer and Lynda Swander, "Life history factors affecting the intrinsic rate of natural increase of birds of the deciduous forest biome" (Wilson Bull. 89:211-232)

Edwards Prize—Second Award

Wayne C. Weber and John B. Theberge, "Breeding bird survey counts as related to habitat and date" (Wilson Bull. 89:543-561)

Alexander Wilson Prize

Sheila G. Hilsenbeck, "Foraging behavior and competition in two species of southern Florida kingbirds"

PAPERS SESSION

D. McGeen, Pontiac, Michigan, *An update on cowbird-host research.*

A. A. E. MacLean, Univ. of Rochester, Rochester, New York, *An inter- and intraspecific comparison of age-related foraging ability as seen in three Larus species.*

K. L. Bildstein, The Ohio State University, Columbus, *Age and sex-dependent differences in hunting behavior, habitat use, and diet of Northern Harriers wintering in south-central Ohio.*

- R. N. Conner, Southern Forest Experiment Station, USDA Forest Service, Nacogdoches, Texas, *Seasonal changes in breadth of woodpecker foraging behavior.*
- S. G. Hilsenbeck, Univ. of Miami, Coral Gables, Florida, *Foraging behavior and competition in two species of southern Florida kingbirds.*
- D. E. Samuel and D. Wingate, West Virginia University, Morgantown, and Dept. of Agr. and Fisheries, Bermuda, *Food habits of the Kiskadee on Bermuda.*
- R. Roth, Univ. of Delaware, Newark, Delaware, *Foraging behavior of mockingbirds: the effect of too much grass.*
- S. F. Bailey, Museum of Vertebrate Zoology, Univ. California, Berkeley, *Foraging strategies of frugivorous birds in relation to the availability of berries.*
- Elliot J. Tramer, University of Toledo, Toledo, Ohio, *Introductory remarks to the symposium on avian resource strategies, and Seasonal and geographic variations in foraging of migrant warblers.*
- Thomas C. Grubb, Jr., Ohio State University, Columbus, *Branch selection by foraging chickadees and titmice in a controlled laboratory "habitat."*
- Steven D. Fretwell, Kansas State University, Manhattan, *Foraging in seed-eating birds.*
- Robert C. Whitmore, West Virginia University, Morgantown, *Multivariate methods in the analysis of avian resource use.*
- Frank B. Gill, Academy of Natural Sciences, Philadelphia, Pennsylvania, *Foraging behavior of nectar-feeding birds.*
- James D. Kushlan, Everglades National Park, Homestead, Florida, *Resource use patterns in wading birds.*
- Douglass H. Morse, University of Maryland, College Park, *Feeding systems in birds: a synthesis.*
- D. Howes-Jones, Royal Ontario Museum, Toronto, *Structural, junctional, and information relationships among the call notes of the Warbling Vireo.*
- S. R. Borecky, Univ. of Pittsburgh, Pittsburgh, Pennsylvania, *The appendicular myology and evolutionary relationships of the Artamidae.*
- R. J. Raikow, Univ. of Pittsburgh, Pittsburgh, Pennsylvania, *The relationships and taxonomic position of Nephelornis oneilli.*
- G. D. Bentz and R. L. Zusi, National Museum of Natural History, Smithsonian Institution, Washington, D.C., *Evolution of the humeroulnar pulley in hummingbirds.*
- J. D. Rising and G. F. Shields, Univ. of Toronto, Toronto, Ontario, Canada, and the Univ. of Alaska, College, Alaska, *What selects for chromosomal polymorphisms in birds?*
- T. L. Lloyd-Evans, Manomet Bird Observatory, Manomet, Mass., *Postjuvenile molt of Massachusetts House Finches.*
- J. C. Barlow, Royal Ontario Museum, Univ. of Toronto, Toronto, Ontario, Canada, *Behavioral, ecological and morphological responses of the Empidonax traillii/alnorum complex in syntopy.*
- M. H. Clench, Carnegie Museum of Natural History, Pittsburgh, Pennsylvania, *Recent discoveries on the winter habitat of Kirtland's Warbler.*
- K. G. Beal, The Ohio State University, Columbus, *A year-round field study of weather-dependent behavior of the Roadrunner. I. Winter.*
- W. M. Shields and K. L. Bildstein, Ohio State University, Columbus, *Behavioral Interactions between bats and Common Nighthawks at a localized food source.*
- R. J. McPherson and R. D. Brown, the Univ. of North Carolina at Charlotte, Charlotte, *Responses of some passerines to the call and location of the Screech Owl (Otus asio).*
- P. D. Caprio, Miami Univ., Oxford, Ohio, *Effects of Sevin on egg and eggshell characteristics of Coturnix quail (Coturnix coturnix japonica).*

- J. W. Via, Virginia Polytechnic Institute and State University, Blacksburg, *Eggshell quality improvement in Ospreys from the Chesapeake Bay.*
- D. Lank, Cornell Univ., Ithaca, New York, *Migratory orientation and activity in sandpipers.*
- J. A. Jackson, Mississippi State Univ., Mississippi State, *Age characteristics of Red-cockaded Woodpeckers.*
- E. D. Michael and T. A. Losch, West Virginia Univ., Morgantown, *Visibility of birds along interstate highways.*
- D. Klem, Jr., Southern Illinois Univ., Carbondale, *Collision between birds and windows.*
- G. R. Myers and D. W. Waller, Kent State Univ., Kent, Ohio, *The effects of helpers at the nest in Barn Swallows.*
- R. W. Dexter, Kent State Univ., Kent, Ohio, *The fate of "helpers at the nest" with nesting Chimney Swifts.*
- L. A. Lyon and D. F. Caccamise, Rutgers, the State Univ. of New Jersey, New Brunswick, *Spatial and temporal patterns of roosting behavior in mixed assemblages of blackbirds and starlings.*
- M. A. Springer, Miami Univ., Oxford, Ohio, *Growth and development of Red-tailed Hawks in central Ohio.*
- J. J. Potyraj, Towson State Univ., Baltimore, Md., *Effects of investigator presence on the breeding success and nestling growth of the Cattle Egret.*
- D. F. Werschkul, Mississippi State Univ., Mississippi State, *Adaptive significance of nestling development in the Little Blue Heron.*
- E. H. Alford, Brigham Young Univ., Provo, Utah, *An adaptive advantage for early nesting in White-faced Ibis (Plegadis chihi).*
- S. Sabo, Cornell Univ., Ithaca, New York, *Community description of a subalpine avifauna.*
- J. R. Karr, Univ. of Illinois, Champaign, Ill., *On the stability of tropical forest avifaunas.*
- J. Keller and C. R. Smith, New York Coop. Wildlife Res. Unit and Lab of Ornith., Cornell Univ., Ithaca, New York, *Effects of a late spring controlled burn on breeding birds in central New York.*
- L. B. McArthur, West Virginia University, Morgantown, *Passerine community structure in a forest: the effects of two silviculture practices.*
- S. A. Briggs and J. H. Criswell, Audubon Naturalist Society of the Central Atlantic States, Washington, D.C., *Comparison of population trends between all-year and migratory breeding birds, 1947-1977, in three Washington, D.C. area study tracts.*
- Charles Smith, Laboratory of Ornithology, Cornell Univ., Ithaca, New York, *Special Report: The role of the amateur in ornithology.*

ATTENDANCE

ARKANSAS: Fayetteville, Douglas James.

CALIFORNIA: Berkeley, Stephen F. Bailey, Karen Bailey.

COLORADO: Fort Collins, Clait E. Braun; Golden, Jim Tate.

DELAWARE: Newark, John T. Linchian, Roland Roth.

DISTRICT OF COLUMBIA: Washington, Richard C. Banks, G. D. Bentz, William S. Clark, Richard Zusi.

FLORIDA: Homestead, James Kushlan; Lehigh Acres, Maxine C. Kiff; Miami, Ronald Gaby, Shela Gaby, Susan G. Hilsenbeck; Winter Haven, Peggy MacQueen.

- ILLINOIS: *Carbondale*, Daniel Klem, Jr.; *Champaign*, James R. Karr.
- INDIANA: *Hanover*, J. Dan Webster, Juanita Webster.
- KANSAS: *Manhattan*, Stephen Fretwell.
- MAINE: *Brunswick*, Bibbo Whitman, Burt Whitman; *Wayne*, Olin Sewall Pettingill, Jr.
- MARYLAND: *Baltimore*, Charles Davis, James J. Potyraj; *Bethesda*, Shirley A. Briggs, Fred G. Evenden, Mildred J. Evenden, Eilene Williams; *Chestertown*, D. A. Mendin- hall; *College Park*, Douglass H. Morse; *Laurel*, Stanley H. Anderson, Brian W. Cain, Jay M. Sheppard; *Towson*, Gladys Hix Cole, Phillip D. Creighton.
- MASSACHUSETTS: *Petershorn*, John C. Fiske, Rosalie Fiske; *Plymouth*, Trevor Lloyd-Evans; *Topsfield*, Ralph D. Scott.
- MICHIGAN: *Ann Arbor*, Janet G. Hinshaw, Stephen H. Hinshaw, Ronald Orenstein, Louise S. Storer, Robert W. Storer; *Grand Rapids*, Ernest Hoover; *Howell*, Steven M. Goodman, Julie Wolinski, Richard A. Wolinski; *Jackson*, Marie Whiting, Robert A. Whiting; *Muskegon*, Thaddcus A. Grudzien; *Pleasant Lake*, Hubert P. Zernickow, Norene E. Zernickow; *Pontiac*, Daniel S. McGeen, Jean McGeen.
- MISSISSIPPI: *Mississippi State*, Dwight Cooley, Jerry Jackson, Bette J. Schardien, Wayne C. Weber, Wendy Weber, David F. Werschkul, Sue Werschkul.
- MISSOURI: *St. Louis*, Margaret D. Feigley, Lillian Nagel.
- NEBRASKA: *Omaha*, Roger S. Sharpe.
- NEW JERSEY: *Bound Brook*, Charlotte A. Conn, Robert C. Conn; *Englishtown*, Donald F. Caccaiiise, Rita Caccaiiise; *Highland Park*, Michael Combarodo; *Mt. Holly*, Katherine G. Davis, Price Davis; *New Brunswick*, Harry W. Power; *Parlin*, Allen A. Lubchansky; *Somerset*, Linda Lyon.
- NEW YORK: *Ithaca*, John Guarnaccia, R. J. Gutierrez, David Lank, Helen S. Lapham, Jeff Keller, Steve Sabo, Charles R. Smith; *Oswego*, George R. Maxwell; *Phoenix*, Cathie A. Baumgartner, Roy S. Slack; *Rochester*, Alexis A. E. MacLean.
- NORTH CAROLINA: *Carrboro*, Ken Meyer; *Chapel Hill*, Helmut C. Mueller, Patricia G. Parker; *Charlotte*, Richard D. Brown, David Dryc, Roger McPherson, Sally Sten- house; *Lincolnton*, Roger McPherson; *Linville*, Margery Plymirc.
- OHIO: *Burton*, Robert McCullough; *Columbus*, Kathleen G. Beal, Roger E. Beal, Kay Broschat, Timothy Broschat, Jan Crook, Abbot S. Gaunt, Sandra L. Gaunt, Rosemarie S. Gnam, Tom Grubb, William Shields, Andrew D. Thompson, Jr.; *East Liverpool*, John Laitsch, Nevada Laitsch; *Gambier*, Robert D. Burns; *Kent*, Jean Dexter, Ralph W. Dexter, Wayne C. Zipperer; *Lakewood*, Nancy Klamm, William A. Klamm; *Oxford*, Mark A. Springer; *Toledo*, Tom Kemp, John M. McCormic, Elliot J. Tramer; *Urbana*, Esther C. Conboy; *Youngstown*, John E. Holzback.
- PENNSYLVANIA: *Bloomsburg*, Robert M. Ruhe; *Bridgeville*, Ben Pinkowski, Phyllis Pinkowski; *Canonsburg*, Donna M. Borecky, Stephen R. Borecky; *Chester Springs*, Babs Street, Phillip B. Street; *Clarksville*, Ralph K. Bell; *Edinboro*, Don Snyder; *Indiana*, Robert E. Merritt; *Kempton*, Jim Brett; *New Florence*, Daniel C. Butler; *Philadelphia*, Frank B. Gill; *Pittsburgh*, Harry K. Clench, Mary H. Clench, Ruth Ernsberger, Jay Loughlin, Maria Morlion, Ellen S. Parkes, Kenneth C. Parkes, Robert J. Raikow; *Turtle Creek*, Marie Crock; *Washington*, Roy A. Ickes.
- SOUTH CAROLINA: *Chester*, Elizabeth S. Henze, W. Cornwell Stone; *Clemson*, Richard F. Harlow, Anna E. Ross.
- TENNESSEE: *Knoxville*, Jackie McKitrick, Charles P. Nicholson, Thomas Smith; *Martin*, David Pitts, Marion Pitts; *Maryville*, Ralph J. Zaenglein.
- TEXAS: *Corpus Christi*, Brian R. Chapman; *Nacogdoches*, Richard N. Conner, Brian Locke.
- UTAH: *Provo*, Emmett H. Alford.

VERMONT: *South Londonderry*, Betty Downs.

VIRGIN ISLANDS: *St. Thomas*, David Nellis.

VIRGINIA: *Blacksburg*, Curtis S. Adkisson, Deborah Berrier, Robert L. Patterson, Jr., Jerry W. Via; *Great Falls*, Dale H. Clayton; *Harrisonburg*, Elwood Fisher, Charles W. S. Ziegenfus; *Scottsville*, Fred Whiteside, Lina S. Whiteside; *Sweet Briar*, Ernest P. Edwards, Mabel T. Edwards; *Virginia Beach*, Douglas S. Davis; *Williamsburg*, Keith L. Bildstein, Mary Leitsehuh.

WEST VIRGINIA: *Bethany*, Albert R. Buckelew, Jr.; *Buckhannon*, Gigi Aiken, Maxine Thacker; *Charles Town*, Dorothy H. Caperton; *Charleston*, Anne Shreve, Harvey Shreve; *Chester*, E. R. (Pete) Chandler, Elizabeth D. Chandler; *Comfort*, Clifford E. Coon, Linnie M. Coon; *Elkins*, Eugene E. Hutton, Joseph C. Rieffenberger, Mary Rieffenberger, Jo Lane Stern, Caroline Wilson; *Franklin*, Carolyn Ruddle; *French Creek*, Virginia Bly Hoover; *Hinton*, A. G. (Andy) Timberlake, Kathlene Timberlake; *Huntington*, Libby McIntyre, Harry E. Slack; *Inwood*, Clark Miller; *Middlebourne*, Edna Gregg; *Montgomery*, Irvine D. Prather; *Morgantown*, George Breiding, John S. Castrale, George Hall, Tanya Hall, Diek Kimmel, Dennis Krusae, Kathy McArthur, Laurence B. McArthur, Edwin D. Michael, David Mindell, James M. Morash, John Noullet, David E. Samuel, Robert L. Smith, Robert L. Smith, Jr., Ellen R. Snyder, Debbie Tucker, Paul Waekenhut, Leslie Whitmore, Robert C. Whitmore, Tom Wray, B. Zimmerman; *Ona*, Leon P. Wilson; *Parkersburg*, Marion Means; *Shepherdstown*, F. W. Sturges; *Sistersville*, Gladys M. Murrey; *So. Charleston*, George Koeh, Laura Koeh; *Triadelphia*, Chuck Conrad, Helen Conrad, Glen Phillips; *Weirton*, Bob Rine, George Rine; *Weston*, Brete Griffin; *Wheeling*, Mary C. Beeker, Lavana Moore.

ONTARIO: *Hamilton*, Daryl Howes-Jones, James S. Pringle; *Toronto*, Jon C. Barlow, Margaret May, James D. Rising, Trudy L. Rising, Shirley J. Thompson.

NEW BRUNSWICK: *Sackville*, Peter W. Kieklin.

FOREIGN COUNTRIES: *Kenya*, Larry T. Schwab.